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GenCore version 5.1.6
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- protein search, using sw model OM protein Run on:

August 28, 2003, 18:28:57; Search time 13.1515 Seconds (without alignments) 102.373 Million cell updates/sec

US-09-743-225-9 73 1 KDKATFGTHDGGXA 14 Title: Perfect score: Sequence:

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table:

283308 seqs, 96168682 residues Searched:

283308 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

Database:

PIR\_76:\*
1: pir1:\*
2: pir2:\*
3: pir3:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

-	Description	oprotein H	apolipoprotein H p	g	oxysterol-binding	starch synthase DU	×	apolipoprotein H p	æ	DNA-directed DNA p	hypothetical prote	2',3'-cyclic-nucle	hypothetical prote	armadillo(arm) rep	acyl-	probable autotrans	hypothetical prote	hypothetical prote	oligopeptide ABC t	probable tonB-depe	probable large gly	fibrinogen alpha c	globin C precursor	Δ	globin E precursor	K	amidase from nicot	glucan 1,6-alpha-g	oligopeptide trans	hypothetical prote
SUMMARIES	ខ្ន	NBHO	NBMS	T34208	T40135	T01265	NBRT	JN0465	NBBO	S35733	E86151	84298	28707	C7582	G84771	AI0074	C96637	S19412	72429	83485	36105	A33626	14574	14575	S14576	14572	D97119	399	136	34308
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	Lengt	34	34	57	131	167	29	345	34				43	45	99	16	127	31	9	61	177	96	. 16	16	16	16	21	53	55	89
	Query Match Length DB	76.7	63.0	57.5	57.5	57.5	56.2	56.2	54.8	54.8	54.8	53.4	53.4	53.4	53.4	53.4	53.4	52.1	52.1	52.1	52.1	51.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
•	Score	26	46	42	42	42		. 41	40	40	40	39	39	39	39	39	39	38	38	38	38	37.5	37	37	37	37	37	37	37	37
	Result No.	н	7	e	4	S	9	7	۵	6	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29

Rhs-family protein alpha-2-macroglobu ATM-11ke protein [	uynein neavy chain hypothetical prote hypothetical prote glucokinase regula C-terminal part of	probable membrane fibrinogen beta ch N-acetylmuramoyl-L gamma-glutamyltran	glycogen phosphory hypothetical prote probable thermosta probable thermosta
AG0538 S27001 C85426	118/18 T05501 S67209 G82291 AG1550	S67566 A25052 B41322 AC3222	S40052 AB2205 AE1682 AF1310
9999	90000	4444	4444
1354 1495 2089	3738 3738 307 376	417 479 496 585	798 173 502 502
50.7	7.00444 0.0000 7.0000	4 4 4 4 6 9 3 3 4 4 6 9 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	4 4 4 4 8 8 . 6 8 . 6 8 . 6
37	34 36 36 36	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	35.5 35.5 35.5
333	1 W W W W 1 4 T 0 0 V	38 39 44 11	4444 444 5643

## ALIGNMENTS

		# Alternate names: activated protein C-binding protein; anticardiolipin cofactor;	
		protein;	
	] - human	C-binding	
,	validated	protein	_
	precursor {	s: activated	sapiens (man
ESULT 1 BHU	apolipoprotein H precursor [validated] - human	; Alternate name	C;Species: Homo sapiens (man)
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C;Date: 17-May-1985 #sequence\_revision 30-Jun-1993 #text\_change 08-Dec-2000 C;Accession: \$17178; \$17668; JQ1379; B43286; A03209; A35786; A46464; I54745; \$15499; R;Stedinkasserer, A.; Estailer, C.; Weiss, E.H.; Sim, R.B.; Day, A.J. B100-hem. J. 277, 307-391, 1991 A;Title: Complete nucleotide and deduced amino acid sequence of human beta(2)-glycopr A;Reference number: \$17178; MUID:91315408; PMID:1650181

A; Molecule type: mRNA

A; Residues: 1-345 <STE>
A; Residues: 1-345 <STE>
A; Cross-references: EMBL:X58100; NID:928809; PIDN:CAA41113.1; PID:928810
A; Cross-references: EMBL:X58100; I.; Boel, E.; Mulvihill, E.M.; Rosendahl Hansen, R.; Bac FEBS Lett. 289, 183-186, 1991
A; Title: Molecular cloning and mammalian expression of human beta(2)-glycoprotein I c A; Reference number: \$17668; MUID:92008618; PMID:1655523

A; Molecule type: mRNA A; Residues: 1-345 <KRI>

A;Cross-references: EMBL:X53595; NID:928811; PIDN:CAA37664.1; PID:928812
R;Mehdl, H.; Nunn, M.; Steel, D.M.; Whitehead, A.S.; Perez, M.; Walker, L.; Peeples, Gene 108, 293-298, 1991
A;Title: Nuclectide sequence and expression of the human gene encoding apolipoprotein A;Reference number: JQ1379; WUID:92084151; PMID:1748314

A; Molecule type: mRNA A; Residues: 1-265, V',267-345 <MEH> A; Cross-references: EMBL:X57847; NID:g28813; PIDN:CAA40977.1; PID:g28814 A) Experimental source: liver A; Experimental source: liver R; Nonaka, M.; Matsuda, Y.; Shiroishi, T.; Moriwaki, K.; Nonaka, M.; Natsuume-Sakai, S Genomics 13, 1082-1087, 1992

A;Title: Molecular cloning of mouse beta-2-glycoprotein I and mapping of the gene to A;Reference number: A43286; MUID:92372000; PMID:1339387 A;Accession: B43286

A; Status: not compared with conceptual translation

A; Molecule type: mRNA A; Residues: 1-265, 'Y', 267-345 <NON> R; Lozier, J.; Takahashi, N.; Putnam, F.W. Proc. Natl. Acad. Sci. U.S. 81, 3640-3644, 1984 A; Title: Complete amino acid sequence of human plasma beta2-glycoprotein I. A; Reference number: A03209; MUID:84222015; PMID:6587378

A; Modecule type: protein A; Residues: 20-120, 'C',122-187,'N',189-265,'V',267-345 <LOZ> R; McNeil, H.P.; Simpson, R.J.; Chesterman, C.N.; Krilis, S.A. Proc. Natl. Acad. Sci. U.S.A. 87, 4120-4124, 1990 A; Title: Anti-phospholipid antibodies are directed against a complex antigen that inc A; Reference number: A35786; MUID:90272666; PMID:2349221

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oxysterol-binding protein homolog C2F12.05c - fission yeast (Schizosaccharomyces pomb
C;Species: Schizosaccharomyces pombe
C;Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 09-Dec-2002
                                                                                                                           introns: 20/1; 34/1; 91/3
Superfamily: oxysterol-binding protein homolog OSHI/SWH1; ankyrin repeat homology;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GSPDB:GN00067; SPDB:SPBC2F12.05c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           hypothetical protein F10E7.9 - Caenorhabditis elegans
G:Species: Caenorhabditis elegans
C:Date: 29-Oct-1999 #sequence_revision 29-Oct-1999 #text_change 29-Oct-1999
C:Accession: T34208
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R; Wood, V.; Rajandream, M.A.; Barrell, B.G.; Skelton, J.; Churcher, C.M. submitted to the EMBL Data Library, June 1997
A; Reference number: Z21907
A; Accession: T40135
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Pred. No. 1.3;
1; Mismatches 1; Indela
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 42; DB 2;
Pred. No. 11;
0; Mismatches
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A;Molecule type: DNA
A;Residues: 1-574 <PAU>
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A,Gene: CESP:F10E7.9
A,Introns: 37/2; 110/3; 178/1; 345/3; 468/3; 538/3
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80.0%;
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72.7%;
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Best Local Similarity 80.0
Matches 8; Conservative
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Best Local Similarity 72.7
Matches 8; Conservative
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A; Residues: 1-1310 <WOO>
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     R; Matsuura, E.; Igarashi, Y.; T.; Fujimoto, M.; Ichikawa, K.; Suzuki, T.; Sumida, T.; Yasuda J. Immunol. 148, 3885-3891, 1992
J. Jamunol. 148, 3885
J. Jamunol. 148,
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C; Superfamily: apolipoprotein H; complement factor H repeat homology
C; Superfamily: apolipoprotein H; complement factor H repeat homology
C; Superfamily: apolipoprotein H; complement factor H; DL; heparin binding; lipid binding;
E; 1-19,700main: signal sequence #status predicted <SIG>
E; 23-37,000main: complement factor H repeat homology <FH1>
E; 34-137,000main: complement factor H repeat homology <FH2>
E; 260-260/Domain: complement factor H repeat homology <FH3>
E; 261-250/Domain: complement factor H repeat homology <FH5>
E; 251-250/Domain: complement factor H repeat homology <FH5>
E; 251-250/Domain: complement factor H repeat homology <FH5>
E; 251-350/Domain: compl
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A;Note: the authors translated the codon ACT for residue 253 as Ala and ATG for residue
A;Note: sequence extracted from NCBI backbone (NCBIN:111791, NCBIP:111794) and corrected
R;Sellar, G.C.; Steel, D.M.; Zafiropoulos, A.; Seery, L.T.; Whitehead, A.S.
Blochem. Biophys. Res. Commun. 200, 1521-1528, 1994
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N;Alternate names: 50K serum glycoprotein; activated protein C-binding protein; beta-2-9
C;Species: Mus musculus (house mouse)
C;Date: 31-Dec-1993 #sequence_revision 31-Dec-1993 #text_change 28-May-1999
C;Accession: A43286; JC2243
R;Nonaka, M.; Matsuda, Y.; Shiroishi, T.; Moriwaki, K.; Nonaka, M.; Natsuume-Sakai, S.
Genomics 13, 1082-1087, 1992
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A:Accession: JC2243
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Title: Molecular definition of human beta 2-glycoprotein I (beta 2-GPI) by cDNA clonin
Reference number: IS4745; MUID:92135065; PMID:1777418
Accession: IS4745
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ross-references: GB:S80305; NID:g244677; PIDN:AAB21330.1; PID:g244678 comment: This pleams glycoptocts in it a constituent of chylomicrons, VLDL, and HDL. It blood cosquitation cascade and ADP-mediated platelet aggregation. Cocagnitation cascade and protect protect is uncertain. It may diminish unwanted comment: The physiological role of this protect is uncertain. It may diminish unwanted
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A) Reference number: A43286; MUID:92372000; PMID:1339387
                                                                                                                                                                                                                                                                                                                                                                         A; Note: sequence extracted from NCBI backbone (NCBIP:105524)
R; Matsuura, E.; Igarashi, M.; Igarashi, Y.; Nagae, H.; Ichikawa, K.; Yasuda, T.; Kolke,
Int. Immunol. 3, 1217-1221, 1991
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A;Cross-references: GB:S70439; NID:g546780; PIDN:AAB30789.1; PID:g546781
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Pred. No. 0.019;
0; Mismatches 1; Indels
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Residues: 1-252,'A',254-277,'N',279-345 <NON>
'X', 24-37, 'X', 39-43 <MCN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Cross-references: GDB:118887; OMIM:138700
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Residues: 1-265,'V',267-345 <RES>
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90.9%;
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227 KDKATFGCHDG 237
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                                                                                                                                                                                                                                                                                      A; Molecule type: protein A; Residues: 20-44 <MA2>
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Regidues: 1-251,'R'
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gene: GDB:APOH
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Matches
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227 KDKAMYGCHD 236
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Best Local Similarity
7; Conserve
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C; Species: Rattus norvegicus (Norway rat)
C; Date: 30-Jun-1993 #sequence_revision 30-Jun-1993 #text_change 22-Jun-1999
C; Accession: 805310
R; Acyama, Y: Chan, Y.L.; Wool, I.G.
R; Accession: 805310
A; Mulciecule type: mRNA
A; Residues: 1-297
Acors
R; Molecule type: mRNA
A; Residues: 1-297
Acors
A; Cross-references: BMBL:X1551; NID:957524; PIDN:CAA33556.1; PID:957525
A; Nolecule type: mRNA
A; Residues: 1-297
Acors
A; Cross-references: BMBL:X1551; NID:957524; PIDN:CAA33556.1; PID:957525
A; Comment: This plasma glycoprotein is a constituent of chylomicrons, VLDL, and HDL and C; Comment: This plasma glycoprotein is a constituent of chylomicrons, VLDL, and HDL and C; Superfamily: apolipoprotein H; Reatues predicted AcMIP:
F; 20-297/Product: apolipoprotein H; Reatues predicted AcMIP:
F; 20-297/Product: apolipoprotein H; Repeat homology <FH1>
F; 20-297/Product: apolipoprotein H; Repeat homology <FH1>
F; 21-27Domain: complement factor H; repeat homology <FH1>
F; 21-27Domain: Com
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157-212/Domain: complement factor H repeat homology <FH3>
157-212/Domain: complement factor H repeat homology <FH4>
136-77/Domain: complement factor H repeat homology <FH4>
136-76,62-89,94-140,126-152,157-200,186-212,216-267,252-259,277-297/Disulfide bonds: #s
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Ridao, M.; Wanat, J.; Stinard, P.S.; James, M.G.; Myers, A.M.
Ridao, M.; Wanat, J.; Stinard, P.S.; James, M.G.; Myers, A.M.
Ridao, M.; Wanat, J.; Stinard, P.S.; James, M.G.; Myers, A.M.
Ridao, M.; Wanat, J.; Stinard, P.S.; James, M.G.; Myers, A.M.
A; Title: Characterization of dull, a maize gene coding for a novel starch synthase. A; Reference number: Z14287; MUD:98169346; PMID:9501113
A; Reference number: Z14287; MUD:98169346; PMID:9501113
A; Status: preliminary; translated from GB/EMBL/DDBJ
A; Residues: 1-1674 <GAO>
A; Residues: 1-1674 <GAO>
A; Cosssreferences: EMBL:AF023159; NID:93057119; PIDN:AAC14014.1; PID:93057120
C; Genetics: dulli
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C;Date: 12-Feb-1999 #sequence_revision 12-Feb-1999 #text_change 29-Oct-1999
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   Length 1310;
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8.9;
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       DB 2;
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Pred. No. 8.9;
1; Mismatches
Score 42; DB 2
Pred. No. 27;
1; Mismatches
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0; Mismatches
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70.0%;
57.5%;
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Best Local Similarity 70...
7; Conservative
       Query Match 57.5
Best Local Similarity 77.8
Matches 7; Conservative
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362 DNASFGTHD 370
                                                                                                                                                        2 DKATFGTHD 10
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Best Local Similarity
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A; Molecule type: protein
A; Residues: 20-49 <CA1>
R; Bendikan, E.; Halkler, T.; Magnusson, S.; Sottrup-Jensen, L.; Kristensen, T.
R; Dendikar, S.; 311-3617, 1992
A; Title: Complete primary structure of bovine beta(2)-glycoprotein I: localization of A; Reference number: $23597; MUID:92232647; PMID:1567819
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 apolipoprotein H precursor - bovine
NAlternate names: beta-2-glycoprotein I; heparin-binding protein, 46K
C; Species: Bos primigenius taurus (cattle)
C; Date: 30-Jun-1993 #sequence_revision 19-May-1995 #text_change 21-Jul-2000
C; Date: 30-Jun-1993 #sequence_revision 19-May-1995 #text_change 21-Jul-2000
C; Accession: Jun0502; PN0465; S23597; A43209; A39300; S09032
R; Gao, B.; Virmani, M.; Romm, E.; Lazar-Wesley, E.; Sakaguchi, K.; Appela, E.; Kunos, Gene 126, 287-288, 1993
A; Title: Sequence of a cDNA encoding bovine apolipoptotein H.
A; Reference number: JN0502; MUID:99246260; PMID:8482546
A; Accession: JN0502
Nationate names: beta 2 glycoprotein I
C;Species: Canis lupus familiaris (dog)
C;Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 10-Sep-1999
C;Accession: 10465; 332693
R;Sellar, G.C.; Keane, J.; Mehdi, H.; Peeples, M.E.; Browne, N.; Whitehead, A.S.
Biochem. Blophys. Res. Commun. 191, 1288-1293, 1993
A;Title: Characterization and acute phase modulation of canine apolipoprotein H (beta A;Reference number: JN0465; MUID:93221500; PMID:7682067
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A Figure 1 this plasma glycoprotein is a constituent of chylomicrons, VLDL, and HDL. Glycomment: This plasma glycoprotein is a constituent of chylomicrons, VLDL, and HDL. glycomment: This plasma glycoprotein is a constituent aggregation. Cylogogulation cascade and ADP-mediated platelet aggregation. Cylogogulation cascade and ADP-mediated sequent homology cylogoguality: apolipoprotein H; complement factor H repeat homology (AMP) F;21-79/Domain: complement factor H repeat homology (FHI) F;21-77/Domain: complement factor H repeat homology (FHI) F;41-200/Domain: complement factor H repeat homology (FHI) F;205-260/Domain: complement factor H repeat homology (FHI) F;265-260/Domain: complement factor H repeat homology (FHI) F;265-260/Domain: complement factor H repeat homology (FHI)
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;Relecule type: m.N. 100-107,'S',109-176,'R',178-193,'C',195-258,'N',260-301,'N',303
;Restidues: 'I-100,'G',102-107,'S',109-176,'R',178-193,'C',195-258,'N',260-301,'N',303
;Cross-references: GB:L07303; NID:g162679; PIDN:AAA30382.1; PID:g162680
;Accession: PN0465
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A;Note: 186-Glu was also found
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-124,110-137,142-188,174-200,205-248,234-260,264-315,300-307,325-345/
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F;117,162,183,193,253/Binding site: carbohydrate (Asn) (covalent) #status predicted
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A;Accession: A43209
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Pred. No. 10;
1; Mismatches
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us-09-743-225-9.rpr

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C; Species: Halobacterium sp. NRC-1
C; Date: 02-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 02-Feb-2001
C; Date: 02-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 02-Feb-2001
C; Accession: H8428
R; Wy, Wy, Wy, Sp. S.P.; Mahairas, G.G.; Berquist, B.; Pan, M.; Shukla, H.D.; Lasky; Leithauser, B.; Keller, K.; Cruz, R.; Danson, M.J.; Hough, D.W.; Maddocks, D.G.; JaJuny, K.H.; Alam, M.; Freitas, T.
Juny, K.H.; Alam, M.; Juny, M.; Juny
        RiTheologis, A.; Ecker, J.R.; Palm, C.J.; Federspiel, N.A.; Kaul, S.; White, O.; Alon Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Conway, A.R.; Creasy, T.H.; Dewar, ansen, N.F.; Hudhes, B.; Huizar, L.
Nature 408, 816-820, 2000
A; Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, E.; Kim, A.; Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, E.; Kim, R.; Li, J.H.; Li, T.; Li, S.; Li, S.; Li, S.; Maiti, R.; Marzia Rizzo, M.; Rooney, T.; Rowley, D.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallo ker, M.; Wu, D.; Yu, G.; Fraser, C.M.; Venter, J.C.; Davis, R.W.
A; Title: Sequence and analysis of chromosome i of the plant Arabidopsis.
A; Accession: E86151
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          '-cyclic-nucleotide 2'-phosphodiesterase [imported] - Halobacterium sp. NRC-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-1750 <STO>
A;Coss-references: GB:AE005172; NID:g8570447; PIDN:AAF76474.1; GSPDB:GN00141
C;Genetics:
A;Map position: 1
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Pred. No. 27;
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83,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 40;
Pred. No.
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Best Local Similarity 77.8%;
Matches 7; Conservative
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A; Molecule type: DNA
A; Residues: 1-430 <BAR>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 77.8
Matches 7; Conservative
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264 KGTFGGHDG 272
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10 DVATFGNHD 18
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A; Residues: 1-391 <STO>
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C;Date: 13-Jan-1995 #sequence_revision 16-Aug-1996 #text_change 07-Dec-1999
C;Accession: 535733
R;Ye, F.; Laigret, F.; Bove, J.
R;Ye, F.; Laigret, E.Data Library, December 1992
A;Description: Nucleotide sequence and genetic organization at the replication origin (c.A.Reference number: 535732
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A.Molecule type: protein
A.Residues: 20-22, X'. 24-41 <LIO>
A.Residues: 20-22, X'. 24-41 <LIO>
G.Comment: This plasma glycoprotein is a constituent of chylomicrons, VLDL, and HDL and lase activity, and binds heparin. It may prevent activation of the intrinsic blood coagu G.Superfamily: apolipoprotein H; complement factor H repeat homology in the complement factor H repeat homology in the coague G.S. Reywords: chylomicron; duplecation; glycoprotein; HDL, heparin binding; lipid binding; F:1-19/Tomain: signal sequence (fragment) #status predicted <SIG>
F:20-345/Product: apolipoprotein H #status experimental <MAT>
F:23-79/Domain: complement factor H repeat homology CF:23-79/Domain: complement factor H repeat homology 
R;Kato, H.; Enjyoji, K.
Biochemistry 30, 11687-11694, 1991
A;Ittle: Amino acid sequence and location of the disulfide bonds in bovine beta2 glycopz
A;Reference number: A39300; MUID:92089075; PMID:1751487
A;Accession: A39300
                                                                                                                                                                                                A; Molecule type: protein

R; Rsesidues: 20-301, NV, 303-345 <KAT>
R; Rsesidues: 20-301, NV, 303-345 <KAT>
R; Li, O.; Blacher, R.; Esch, F.; Congote, L.F.
Biochem. J. 267, 261-264, 1990
A; Title: Isolation from fetal bovine serum of an apolipoprotein-H-like protein which inh A; Reference number: S09032; MUID: 90226328; PMID: 2327984
A; Accession: S09032
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            F;142-200/Domain: complement factor H repeat homology <FH3>
F;265-260/Domain: complement factor H repeat homology <FH4>
F;264-325/Domain: complement factor H repeat homology <FH5>
F;264-325/Domain: complement factor H repeat homology <FH5>
F;234-66,31-79,84-124,110-137,142-188,174-220,205-248,234-260,264-315,300-325,307-345/D18
F;92,162,183,193,253/Binding site: carbohydrate (Asn) (covalent) #status experimental
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           hypothetical protein F22M8.9 - Arabidopsis thaliana
C;Species: Arabidopsis thaliana (mouse-ear cress)
C:Date: 02-Mar-2001 #sequence_revision 02-Mar-2001 #text_change 31-Dec-2001
C;Accession: E86151
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A; Residues: 1-363 <YEF>
A; Cross-references: EMBL: 219108; NID: 949345; PIDN: CAA79522.1; PID: 949347
C; Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 40; DB 1; Length 345;
Pred. No. 16;
1; Mismatches 2; Indels
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Pred. No. 17;
0; Mismatches
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72.78;
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70.0%;
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Best Local Similarity 70...
Conservative
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Matches 8; Conservative
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Best Local Similarity
Matches 9; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                      <KUR>
                                                                                                                                                                                                                                                                                                                                                     A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-761 <KUI
                                                                                                                                                                                                                                                                                                                              A; Accession: AI0074
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C. Species: Homo sapiens (man)
C. Species: 30-Jun-2001 #sequence_revision 30-Jun-2001 #text_change 30-Jun-2001
C. Accession: JC7582
C. Accession: JC7582
Blochem: Biophys. Res. Commun. 280, 340-347, 2001
A,Title: ALEXI, a novel human armadillo repeat protein that is expressed differentially A,Title: ALEXI, a novel human armadillo repeat protein that is expressed differentially A, Reference number: JC7582
A, Residues: JC7582
A, Residues: 1-453 <KUR>
A,Residues: 1-453 <KUR>
A,Residues: 1-453 <KUR>
A,Cross-references: DDBJ:AB039670
C;Connent: This protein is involved in regulation of normal cell growth, cell-to-cell si
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          iAccession: G84771
iLin, X.; Kaul, S.; Rounsley, S.D.; Shea, T.P.; Benito, M.I.; Town, C.D.; Fujii, C.Y.;
iXoo, H.; Moffat, K.S.; Cronin, L.A.; Shen, M.; VanAken, S.E.; Umayam, L.; Fallon, L.
uss, D.; Nierman, W.C.; White, O.; Elsen, J.A.; Salzberg, S.L.; Fraser, C.M.; Venter, J
ature 402, 761-768, 1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Title: Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana Reference number: A84420; MUID:20083487; PMID:10617197
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C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Date: 02-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 16-Feb-2001
                                                                                                                                                                          Gaps
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C;Genetics:
A;Genome: plasmid
C;Superfamily: short-chain alcohol dehydrogenase homology
F;200-377/Domain: short-chain alcohol dehydrogenase homology <SADH>
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Pred. No. 47;
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pred. No. 32;
2; Mismatches 3; Indels
                                                                                                                            Length 430;
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                                                                                                                         Score 39; DB 2;
Pred. No. 30;
1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Gene: alex1:
A;Map position: Xq21.33-q22.2
C;Keywords: tandem repeat; transmembrane protein
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Best Local Similarity 85.7%;
Matches 6; Conservative
                                                                                                                       Query Match
Best Local Similarity 85.7%;
Matches 6; Conservative
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Best Local Similarity 58.3%;
Matches 7; Conservative
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91 KEKAHSGSHSGG 102
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313 FGSHDGG 319
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Molecule type: DNA
Residues: 1-664 <STO>
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Parkhill, J.; Wren, B.W.; Thomson, N.R.; Titball, R.W.; Holden, M.T.G.; Prentice, M. eno-Tarraga, A.M.; Chillingworth, T.; Cronin, A.; Davies, R.M.; Davis, P.; Dougan, G. I., M.; Rutherford, K.; Simmonds, M.; Skelton, J.; Stevens, K.; Whitehead, S.; Barrel attree, 413, 523-527, 2001

Title: Genome sequence of Yersinia pestis, the causative agent of plague.

**Reference number: AB0001; MUID:21470413; PMID:11586360
robable autotransporter protein yapF [imported] - Yersinia pestis (strain CO92)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A; Cross-references: GB: AL590842; PIDN: CAC89460.1; PJD: 915978696; GSPDB: GN00175
                                   );Species: Yersinia pestis
);Date: 02-Nov-2001 #sequence_revision 02-Nov-2001 #text_change 02-Nov-2001
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54;
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Pred. No.
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